APPENDIX 2

P&A PROCEDURE FOR WELLS TO BE ABANDONED PRIOR TO INJECTION

CTV will abandon thirty-three wells within the AoR prior to injection of CO₂ to isolate the A1-A2 sands from other permeable reservoirs and to ensure confinement through the Reef Ridge upper confining layer. Appendix 1 provides the list of all wells within the AoR and indicates which wells will be abandoned prior to injection. This appendix provides the plugging and abandonment procedures to demonstrate that plugging will ensure isolation of the A1-A2 sands.

Abandonment operations will be conducted using methods designed to prevent the movement of fluid into USDW and will include the use of materials compatible with the carbon dioxide stream. As these are oil and gas wells regulated through CalGEM primacy, procedures and cement plug placement will also adhere to regulations established within the California Code of Regulations, Chapter 4, Article 3, §1723.

Plugging Procedures*

The following procedures describe the proposed plugging operations:

- 1. Blowout Prevention Equipment (BOPE) is installed on the wellhead.
- 2. Downhole production or injection equipment is removed from the casing, and the well is cleaned out to Plugback Measured Depth (PBMD) or as deep as possible. The cleanout depth will be witnessed by CalGEM and approved.
- 3. Plug 1 will be placed from the approved cleanout depth across the production interval and >100' into the Reef Ridge shale. The plug will be tagged and witnessed by CalGEM to ensure the plug depth and length satisfies permit requirements.
- 4. Plug 2 will be placed at the top of the Etchegoin formation and >100' into the San Joaquin formation. The plug will be tagged and witnessed by CalGEM to ensure the plug depth and length satisfies permit requirements.
- 5. Plug 3 will be placed at the top of the San Joaquin formation. The plug will be extended to cover >100' above the base of the USDW. The plug will be tagged and witnessed by CalGEM to ensure plug depth and length satisfies permit requirements.
- 6. Plug 4 will be placed such that the surface plug is >25' in length, and well casing can be cut off between 5' and 10' from surface. The plug will be witnessed at surface by CalGEM to ensure plug depth and length satisfies permit requirements.
- 7. BOPE will be removed, and well casing will be cut between 5' and 10' below surface.
- 8. A steel plate will be stamped with the last five digits of the API well number for identification. The steel plate will be at least as thick as the outer well casing, and it will be welded around the circumference.

^{*} These procedures are considered standard and are subject to change depending on the wellbore conditions. Any deviation from the permitted procedures affecting abandonment requirements will be conveyed, agreed upon and documented by CalGEM and CRC prior to the change.

All portions of the well not plugged with cement are filled with inert mud meeting specifications according to California Code of Regulations, Chapter 4, Article 3, §1723(b). to prevent migration of fluids within the wellbore.

Plugging Details for Wells to be Abandoned

Well-specific plugging plans are provided in the following tables for each well to be abandoned prior to CO₂ injection. Cement type, volume, density, and placement method for each plug described above are indicated. The indicated top and bottom plug depths necessary to ensure isolation of A1-A2 sands and meet CalGEM abandonment requirements are determined based on the well-specific measured depths of the relevant geologic formations described above.

CTV is assessing the abandonment of two wellbores within the AoR that may be in communication with the A3+ reservoirs. CTV will provide detailed plugging procedures during pre-operational testing.

Wells					П					
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4	
Hole Size (in.)	6.276	6.276	6.276	6.276		6	6.276	6.276	6.276	
Bottom of tubing (ft)	9120	2848	1243	38		10312	3067	1554	39	
Cement Volume (sacks)	116	24	133	5		292	24	140	5	
Slurry Volume (bbl)	23.76	5.11	27.23	1.02		59.8	5.11	28.67	1.02	
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8		15.8	15.8	15.8	15.8	
Top of plug (ft)	8499	2723	535	13	П	8715	2942	809	14	
Bottom of Plug (ft)	9120	2848	1243	38		10312	3067	1554	39	
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G	
Method of placement	Balan	Balanced plug, Retainer, or CT plug					ced plug, Re	etainer, or C	T plug	
Wells										
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4	
Hole Size (in.)	4	6.276	6.276	6.276		6	6.276	6.276	6.276	
Bottom of tubing (ft)	9438	2948	1504	45		9978	2814	1456	39	
Cement Volume (sacks)	75	24	138	5		234	24	144	5	
Slurry Volume (bbl)	15.36	5.11	28.26	1.02		47.92	5.11	29.49	1.02	
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8		15.8	15.8	15.8	15.8	
Top of plug (ft)	8609	2823	773	20		8608	2689	688	14	
Bottom of Plug (ft)	9438	2948	1504	45		9978	2814	1456	39	
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G	
Method of placement	Balan	ced plug, Re	etainer, or C	Tplug		Balan	ced plug, Re	tainer, or C	Tplug	
	Balanced plug, Retainer, or CT plug					Balanced plug, Retainer, or CT plug				
Wells										
Wells Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4	
	Plug 1 6.184	Plug 2 6.184	Plug 3 6.184	Plug 4 6.184		Plug 1	Plug 2 6.276	Plug 3 6.276	Plug 4 6.276	
Plugs	_					_				
Plugs Hole Size (in.)	6.184	6.184	6.184	6.184		6	6.276	6.276	6.276	
Plugs Hole Size (in.) Bottom of tubing (ft)	6.184 9290	6.184 3180	6.184 1615	6.184 44		6 9863	6.276 3312	6.276 1601	6.276 39	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	6.184 9290 76	6.184 3180 24	6.184 1615 137	6.184 44 5		9863 250	6.276 3312 24	6.276 1601 130	6.276 39 5	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	6.184 9290 76 15.56	6.184 3180 24 5.11	6.184 1615 137 28.05	6.184 44 5 1.02		6 9863 250 51.2	6.276 3312 24 5.11	6.276 1601 130 26.62	6.276 39 5 1.02	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	6.184 9290 76 15.56 15.8	6.184 3180 24 5.11 15.8	6.184 1615 137 28.05 15.8	6.184 44 5 1.02 15.8		6 9863 250 51.2 15.8	6.276 3312 24 5.11 15.8	6.276 1601 130 26.62 15.8	6.276 39 5 1.02 15.8	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	6.184 9290 76 15.56 15.8 8875	6.184 3180 24 5.11 15.8 3055	6.184 1615 137 28.05 15.8 864	6.184 44 5 1.02 15.8 19		6 9863 250 51.2 15.8 8399	6.276 3312 24 5.11 15.8 3187	6.276 1601 130 26.62 15.8 910	6.276 39 5 1.02 15.8 14	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft)	6.184 9290 76 15.56 15.8 8875 9290 Class G	6.184 3180 24 5.11 15.8 3055 3180	6.184 1615 137 28.05 15.8 864 1615 Class G	6.184 44 5 1.02 15.8 19 44 Class G		6 9863 250 51.2 15.8 8399 9863 Class G	6.276 3312 24 5.11 15.8 3187 3312	6.276 1601 130 26.62 15.8 910 1601 Class G	6.276 39 5 1.02 15.8 14 39 Class G	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement	6.184 9290 76 15.56 15.8 8875 9290 Class G	6.184 3180 24 5.11 15.8 3055 3180 Class G	6.184 1615 137 28.05 15.8 864 1615 Class G	6.184 44 5 1.02 15.8 19 44 Class G		6 9863 250 51.2 15.8 8399 9863 Class G	6.276 3312 24 5.11 15.8 3187 3312 Class G	6.276 1601 130 26.62 15.8 910 1601 Class G	6.276 39 5 1.02 15.8 14 39 Class G	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement	6.184 9290 76 15.56 15.8 8875 9290 Class G	6.184 3180 24 5.11 15.8 3055 3180 Class G	6.184 1615 137 28.05 15.8 864 1615 Class G	6.184 44 5 1.02 15.8 19 44 Class G		6 9863 250 51.2 15.8 8399 9863 Class G	6.276 3312 24 5.11 15.8 3187 3312 Class G	6.276 1601 130 26.62 15.8 910 1601 Class G	6.276 39 5 1.02 15.8 14 39 Class G	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan	6.184 3180 24 5.11 15.8 3055 3180 Class G	6.184 1615 137 28.05 15.8 864 1615 Class G	6.184 44 5 1.02 15.8 19 44 Class G		6 9863 250 51.2 15.8 8399 9863 Class G Balan	6.276 3312 24 5.11 15.8 3187 3312 Class G	6.276 1601 130 26.62 15.8 910 1601 Class G	6.276 39 5 1.02 15.8 14 39 Class G	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G		6 9863 250 51.2 15.8 8399 9863 Class G Balan	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re	6.276 1601 130 26.62 15.8 910 1601 Class G	6.276 39 5 1.02 15.8 14 39 Class G	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G T plug 4 6.276		9863 250 51.2 15.8 8399 9863 Class G Balan	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan Plug 1 4	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re Plug 2 6.276 3108	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G T plug		9863 250 51.2 15.8 8399 9863 Class G Balan	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re Plug 2 6.276 2970	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan Plug 1 4 9550	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re Plug 2 6.276 3108 24	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G T plug Plug 4 6.276 39 5		6 9863 250 51.2 15.8 8399 9863 Class G Balan Plug 1 4 10550 209	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re Plug 2 6.276 2970 24	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.276 34 5	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan Plug 1 4 9550 106 21.71	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re Plug 2 6.276 3108 24 5.11	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G T plug Plug 4 6.276 39 5 1.02		6 9863 250 51.2 15.8 8399 9863 Class G Balan Plug 1 4 10550 209 42.8	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re Plug 2 6.276 2970 24 5.11	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.276 34 5 1.02	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan Plug 1 4 9550 106 21.71 15.8	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re Plug 2 6.276 3108 24 5.11 15.8	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G 7 plug 4 6.276 39 5 1.02 15.8		6 9863 250 51.2 15.8 8399 9863 Class G Balan Plug 1 4 10550 209 42.8 15.8	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re Plug 2 6.276 2970 24 5.11 15.8	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug 4 6.276 34 5 1.02 15.8	
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	6.184 9290 76 15.56 15.8 8875 9290 Class G Balan Plug 1 4 9550 106 21.71 15.8 8311	6.184 3180 24 5.11 15.8 3055 3180 Class G ced plug, Re Plug 2 6.276 3108 24 5.11 15.8 2983	6.184 1615 137 28.05 15.8 864 1615 Class G etainer, or C	6.184 44 5 1.02 15.8 19 44 Class G T plug Plug 4 6.276 39 5 1.02 15.8 14		6 9863 250 51.2 15.8 8399 9863 Class G Balan Plug 1 4 10550 209 42.8 15.8 8100	6.276 3312 24 5.11 15.8 3187 3312 Class G ced plug, Re Plug 2 6.276 2970 24 5.11 15.8 2845	6.276 1601 130 26.62 15.8 910 1601 Class G etainer, or C	6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.276 34 5 1.02 15.8 9	

Wells	T				П		9		
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	4	6.276	6.276	6.276		6	6.184	6.184	6.184
Bottom of tubing (ft)	10550	2908	1406	45		10357	2916	1467	42
Cement Volume (sacks)	192	24	138	5		300	24	134	5
Slurry Volume (bbl)	39.32	5.11	28.26	1.02	8	61.44	5.11	27.44	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8	8	15.8	15.8	15.8	15.8
Top of plug (ft)	8169	2783	670	20		8600	2791	733	17
Bottom of Plug (ft)	10550	2908	1406	45		10357	2916	1467	42
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G
Method of placement	Balan	Balanced plug, Retainer, or CT plug				Balan	ced plug, Re	tainer, or C	Tplug
Wells									
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	6.276	6.276	6.276	6.276		4.408	6.184	6.184	6.184
Bottom of tubing (ft)	9320	2895	1467	39		9925	2910	1446	41
Cement Volume (sacks)	158	24	24	5		130	24	135	5
Slurry Volume (bbl)	32.36	5.11	4.91	1.02		26.62	5.11	27.64	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8	8	15.8	15.8	15.8	15.8
Top of plug (ft)	8477	2770	1342	14		8627	2785	705	16
Bottom of Plug (ft)	9320	2895	1467	39		9925	2910	1446	41
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G
Method of placement	Balan	ced plug, Re	tainer, or C	Tplug		Balan	ced plug, Re	tainer, or C	Tplug
					_				
Wells									
Wells Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
4 (4)	Plug 1	Plug 2 6.184	Plug 3 6.184	Plug 4 6.184		Plug 1 6.184	Plug 2 6.366	Plug 3 6.366	Plug 4 6.366
Plugs		-							
Plugs Hole Size (in.)	6	6.184	6.184	6.184		6.184	6.366	6.366	6.366
Plugs Hole Size (in.) Bottom of tubing (ft)	6 10397	6.184 2889	6.184 1437	6.184 39		6.184 9708	6.366 3201	6.366 1599	6.366 39
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	6 10397 309	6.184 2889 24	6.184 1437 138	6.184 39 5		6.184 9708 207	6.366 3201 25	6.366 1599 154	6.366 39 5
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	6 10397 309 63.28	6.184 2889 24 5.11	6.184 1437 138 28.26	6.184 39 5 1.02		6.184 9708 207 42.39	6.366 3201 25 5.11	6.366 1599 154 31.54	6.366 39 5 1.02
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	6 10397 309 63.28 15.8	6.184 2889 24 5.11 15.8	6.184 1437 138 28.26 15.8	6.184 39 5 1.02 15.8		6.184 9708 207 42.39 15.8	6.366 3201 25 5.11 15.8	6.366 1599 154 31.54 15.8	6.366 39 5 1.02 15.8
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	6 10397 309 63.28 15.8 8588	6.184 2889 24 5.11 15.8 2764	6.184 1437 138 28.26 15.8 702	6.184 39 5 1.02 15.8 14		6.184 9708 207 42.39 15.8 8567	6.366 3201 25 5.11 15.8 3076	6.366 1599 154 31.54 15.8 802	6.366 39 5 1.02 15.8 14
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft)	6 10397 309 63.28 15.8 8588 10397 Class G	6.184 2889 24 5.11 15.8 2764 2889	6.184 1437 138 28.26 15.8 702 1437 Class G	6.184 39 5 1.02 15.8 14 39 Class G		6.184 9708 207 42.39 15.8 8567 9708 Class G	6.366 3201 25 5.11 15.8 3076 3201	6.366 1599 154 31.54 15.8 802 1599 Class G	6.366 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement	6 10397 309 63.28 15.8 8588 10397 Class G	6.184 2889 24 5.11 15.8 2764 2889 Class G	6.184 1437 138 28.26 15.8 702 1437 Class G	6.184 39 5 1.02 15.8 14 39 Class G		6.184 9708 207 42.39 15.8 8567 9708 Class G	6.366 3201 25 5.11 15.8 3076 3201 Class G	6.366 1599 154 31.54 15.8 802 1599 Class G	6.366 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	6 10397 309 63.28 15.8 8588 10397 Class G	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re	6.184 1437 138 28.26 15.8 702 1437 Class G	6.184 39 5 1.02 15.8 14 39 Class G		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan	6.366 3201 25 5.11 15.8 3076 3201 Class G	6.366 1599 154 31.54 15.8 802 1599 Class G	6.366 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	6 10397 309 63.28 15.8 8588 10397 Class G Balan	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re	6.184 1437 138 28.26 15.8 702 1437 Class G	6.184 39 5 1.02 15.8 14 39 Class G		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan	6.366 3201 25 5.11 15.8 3076 3201 Class G	6.366 1599 154 31.54 15.8 802 1599 Class G	6.366 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs	6 10397 309 63.28 15.8 8588 10397 Class G Balan	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re	6.184 1437 138 28.26 15.8 702 1437 Class G	6.184 39 5 1.02 15.8 14 39 Class G		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C	6.366 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C	6.184 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.366		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C	6.366 39 5 1.02 15.8 14 39 Class G T plug
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1 4 10653	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re Plug 2 6.366 3163	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C	6.184 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.366 41		6.184 9708 207 42.39 15.8 8567 9708 Class G Balant Plug 1 6.184 10947	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re Plug 2 6.184 3157	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C	6.366 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1 4 10653 165	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re Plug 2 6.366 3163 25	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C	6.184 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.366 41 5		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan Plug 1 6.184 10947 448	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re Plug 2 6.184 3157 24	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C	6.366 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 50 5
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1 4 10653 165 33.79	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re Plug 2 6.366 3163 25 5.11	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C	6.184 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.366 41 5 1.02		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan Plug 1 6.184 10947 448 91.75	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re Plug 2 6.184 3157 24 5.11	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C	6.366 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 50 5 1.02
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1 4 10653 165 33.79 15.8	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re Plug 2 6.366 3163 25 5.11 15.8	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C	6.184 39 5 1.02 15.8 14 39 Class G T plug 4 6.366 41 5 1.02 15.8		6.184 9708 207 42.39 15.8 8567 9708 Class G Balant Plug 1 6.184 10947 448 91.75 15.8	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re Plug 2 6.184 3157 24 5.11 15.8	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C Plug 3 6.184 1565 141 28.87 15.8	6.366 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 50 5 1.02 15.8
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	6 10397 309 63.28 15.8 8588 10397 Class G Balan Plug 1 4 10653 165 33.79 15.8 8482	6.184 2889 24 5.11 15.8 2764 2889 Class G ced plug, Re Plug 2 6.366 3163 25 5.11 15.8 3038	6.184 1437 138 28.26 15.8 702 1437 Class G etainer, or C Plug 3 6.366 1561 149 30.51 15.8 788	6.184 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.366 41 5 1.02 15.8 16		6.184 9708 207 42.39 15.8 8567 9708 Class G Balan Plug 1 6.184 10947 448 91.75 15.8 8476	6.366 3201 25 5.11 15.8 3076 3201 Class G ced plug, Re Plug 2 6.184 3157 24 5.11 15.8 3032	6.366 1599 154 31.54 15.8 802 1599 Class G etainer, or C Plug 3 6.184 1565 141 28.87 15.8 794	6.366 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 50 5 1.02 15.8 25

Wells					П				5.
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	4	6.366	6.366	6.366	Î	6	6.366	6.366	6.366
Bottom of tubing (ft)	10218	2881	1399	45		10128	2928	1408	45
Cement Volume (sacks)	175	25	143	5		266	25	142	5
Slurry Volume (bbl)	35.84	5.11	29.28	1.02		54.47	5.11	29.08	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8		15.8	15.8	15.8	15.8
Top of plug (ft)	8068	2756	660	20	33	8585	2803	674	20
Bottom of Plug (ft)	10218	2881	1399	45	8	10128	2928	1408	45
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G
Method of placement	Balanced plug, Retainer, or CT plug					Balan	ced plug, Re	tainer, or C	T plug
Wells									
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	6.276	6.366	6.366	6.366		6	6.366	6.366	6.366
Bottom of tubing (ft)	9319	2893	1409	39		9950	3383	1697	39
Cement Volume (sacks)	57	25	141	5		267	25	157	5
Slurry Volume (bbl)	11.67	5.11	28.87	1.02	8	54.68	5.11	32.15	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8		15.8	15.8	15.8	15.8
Top of plug (ft)	9019	2768	680	14		8403	3258	885	14
Bottom of Plug (ft)	9319	2893	1409	39		9950	3383	1697	39
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G
Method of placement	Balan	ced plug, Re	tainer or C	Tolue		Ralan	ced plug. Re	tainer, or C	Tolug
				Pios		501011	p 8)		. F0
Wells				, pios		551011	ps,		
Wells Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
Plugs Hole Size (in.)	Plug 1 6.276	Plug 2 6.276	Plug 3 6.276	Plug 4 6.276		Plug 1 6.184	Plug 2 6.276	Plug 3 6.276	Plug 4 6.276
Plugs Hole Size (in.) Bottom of tubing (ft)	Plug 1 6.276 9908	Plug 2 6.276 3367	Plug 3 6.276 1696	Plug 4 6.276 50		Plug 1 6.184 9361	Plug 2 6.276 3198	Plug 3 6.276 1596	Plug 4 6.276 39
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	Plug 1 6.276 9908 209	Plug 2 6.276 3367 24	Plug 3 6.276 1696 154	Plug 4 6.276 50		Plug 1 6.184 9361 144	Plug 2 6.276 3198 24	Plug 3 6.276 1596 151	Plug 4 6.276 39 5
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	Plug 1 6.276 9908 209 42.8	Plug 2 6.276 3367 24 5.11	Plug 3 6.276 1696 154 31.53	Plug 4 6.276 50 5		Plug 1 6.184 9361 144 29.49	Plug 2 6.276 3198 24 5.11	Plug 3 6.276 1596 151 30.92	Plug 4 6.276 39 5 1.02
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	Plug 1 6.276 9908 209 42.8 15.8	Plug 2 6.276 3367 24 5.11 15.8	Plug 3 6.276 1696 154 31.53 15.8	Plug 4 6.276 50 5 1.02 15.8		Plug 1 6.184 9361 144 29.49 15.8	Plug 2 6.276 3198 24 5.11 15.8	Plug 3 6.276 1596 151 30.92 15.8	Plug 4 6.276 39 5 1.02 15.8
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G	Plug 2 6.276 3367 24 5.11 15.8 3242 3367	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G	Plug 2 6.276 3198 24 5.11 15.8 3073 3198	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.276		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G Plug 3 6.184	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug 4 6.184
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276 9371	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re Plug 2 6.276 3135	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.276 45		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balant Plug 1 4 9024	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re Plug 2 6.366 3038	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G etainer, or C	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 39
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276 9371 111	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re Plug 2 6.276 3135 24	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.276 45 5		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan Plug 1 4 9024 70	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re Plug 2 6.366 3038 25	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G etainer, or C	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 39 5
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276 9371 111 22.73	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re Plug 2 6.276 3135 24 5.11	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug 4 6.276 45 5 1.02		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Baland Plug 1 4 9024 70 14.33	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re Plug 2 6.366 3038 25 5.11	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G etainer, or C	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 39 5 1.02
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276 9371 111 22.73 15.8	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re Plug 2 6.276 3135 24 5.11 15.8	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.276 45 5 1.02 15.8		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan Plug 1 4 9024 70 14.33 15.8	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re Plug 2 6.366 3038 25 5.11 15.8	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G Plug 3 6.184 1514 151 30.92 15.8	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 39 5 1.02 15.8
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	Plug 1 6.276 9908 209 42.8 15.8 8794 9908 Class G Balan Plug 1 4.276 9371 111 22.73 15.8 8220	Plug 2 6.276 3367 24 5.11 15.8 3242 3367 Class G ced plug, Re Plug 2 6.276 3135 24 5.11 15.8 3010	Plug 3 6.276 1696 154 31.53 15.8 876 1696 Class G etainer, or C	Plug 4 6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.276 45 5 1.02 15.8 20		Plug 1 6.184 9361 144 29.49 15.8 8568 9361 Class G Balan Plug 1 4 9024 70 14.33 15.8 8232	Plug 2 6.276 3198 24 5.11 15.8 3073 3198 Class G ced plug, Re Plug 2 6.366 3038 25 5.11 15.8 2913	Plug 3 6.276 1596 151 30.92 15.8 791 1596 Class G etainer, or C	Plug 4 6.276 39 5 1.02 15.8 14 39 Class G T plug Plug 4 6.184 39 5 1.02 15.8 14

Wells				1	П				
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug3	Plug 4
Hole Size (in.)	4.276	6.366	6.276	6.276	Ï	6.184	6.276	6.276	6.276
Bottom of tubing (ft)	9332	2981	1445	45		9135	2912	1407	45
Cement Volume (sacks)	105	25	142	5		116	24	139	5
Slurry Volume (bbl)	21.5	5.11	29.08	1.02		23.76	5.11	28.46	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8	200	15.8	15.8	15.8	15.8
Top of plug (ft)	8246	2856	691	20	200	8497	2787	668	20
Bottom of Plug (ft)	9332	2981	1445	45	26	9135	2912	1407	45
Type of Cement	Class G	Class G	Class G	Class G	20	Class G	Class G	Class G	Class G
Method of placement	Balanced plug, Retainer, or CT plug					Balan	ced plug, Re	tainer, or C	Tplug
Wells							_	_	
Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug3	Plug 4
Hole Size (in.)	6.184	6.366	6.366	6.366	İ	6.184	6.276	6.276	6.276
Bottom of tubing (ft)	9319	3014	1488	45		10294	2978	1443	50
Cement Volume (sacks)	168	25	148	5		339	24	141	5
Slurry Volume (bbl)	34.4	5.11	30.31	1.02		69.43	5.11	28.87	1.02
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8		15.8	15.8	15.8	15.8
Top of plug (ft)	8396	2889	722	20		8423	2853	696	25
Bottom of Plug (ft)	9319	3014	1488	45		10294	2978	1443	50
Type of Cement	Class G	Class G	Class G	Class G		Class G	Class G	Class G	Class G
Method of placement	Balan	ced plug, Re	tainer, or C	Tplug		Balan	ced plug, Re	tainer, or C	Tplug
Table 1982									
Wells					П				
Wells Plugs	Plug 1	Plug 2	Plug 3	Plug 4		Plug 1	Plug 2	Plug 3	Plug 4
233 1/21/2	Plug 1	Plug 2 6.276	Plug 3 6.276	Plug 4 6.276		Plug 1 6.184	Plug 2 6.276	Plug 3 6.276	Plug 4 6.276
Plugs						_	_	_	
Plugs Hole Size (in.)	4	6.276	6.276	6.276		6.184	6.276	6.276	6.276
Plugs Hole Size (in.) Bottom of tubing (ft)	4 9716	6.276 3237	6.276 1598	6.276 50		6.184 9637	6.276 3152	6.276 1554	6.276 47
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	9716 119	6.276 3237 24	6.276 1598 151	6.276 50 5		6.184 9637 179	6.276 3152 24	6.276 1554 147	6.276 47 5
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	4 9716 119 24.47	6.276 3237 24 5.11	6.276 1598 151 30.92	6.276 50 5 1.02		6.184 9637 179 36.66	6.276 3152 24 5.11	6.276 1554 147 30.1	6.276 47 5 1.02
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	4 9716 119 24.47 15.8	6.276 3237 24 5.11 15.8	6.276 1598 151 30.92 15.8	6.276 50 5 1.02 15.8		6.184 9637 179 36.66 15.8	6.276 3152 24 5.11 15.8	6.276 1554 147 30.1 15.8	6.276 47 5 1.02 15.8
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	4 9716 119 24.47 15.8 8400	6.276 3237 24 5.11 15.8 3112	6.276 1598 151 30.92 15.8 797	6.276 50 5 1.02 15.8 25		6.184 9637 179 36.66 15.8 8653	6.276 3152 24 5.11 15.8 3027	6.276 1554 147 30.1 15.8 772	6.276 47 5 1.02 15.8 22
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft)	4 9716 119 24.47 15.8 8400 9716 Class G	6.276 3237 24 5.11 15.8 3112 3237	6.276 1598 151 30.92 15.8 797 1598 Class G	6.276 50 5 1.02 15.8 25 50 Class G		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement	4 9716 119 24.47 15.8 8400 9716 Class G	6.276 3237 24 5.11 15.8 3112 3237 Class G	6.276 1598 151 30.92 15.8 797 1598 Class G	6.276 50 5 1.02 15.8 25 50 Class G		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	4 9716 119 24.47 15.8 8400 9716 Class G Balan	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re	6.276 1598 151 30.92 15.8 797 1598 Class G	6.276 50 5 1.02 15.8 25 50 Class G		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells	4 9716 119 24.47 15.8 8400 9716 Class G Balan	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re	6.276 1598 151 30.92 15.8 797 1598 Class G	6.276 50 5 1.02 15.8 25 50 Class G		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs	4 9716 119 24.47 15.8 8400 9716 Class G Balan	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.366		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184 9113	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re Plug 2 6.366 2939	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.366 45		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184 9113	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re Plug 2 6.366 2939 25	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.366 45 5		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184 9113 94 19.25	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re Plug 2 6.366 2939 25 5.11	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug 4 6.366 45 5 1.02		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184 9113 94 19.25 15.8	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re Plug 2 6.366 2939 25 5.11 15.8	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C Plug 3 6.366 1347 141 28.87	6.276 50 5 1.02 15.8 25 50 Class G T plug 4 6.366 45 5 1.02 15.8		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G
Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft) Bottom of Plug (ft) Type of Cement Method of placement Wells Plugs Hole Size (in.) Bottom of tubing (ft) Cement Volume (sacks) Slurry Volume (bbl) Slurry Weight (lb/gal) Top of plug (ft)	4 9716 119 24.47 15.8 8400 9716 Class G Balan Plug 1 6.184 9113 94 19.25 15.8 8595	6.276 3237 24 5.11 15.8 3112 3237 Class G ced plug, Re Plug 2 6.366 2939 25 5.11 15.8 2814	6.276 1598 151 30.92 15.8 797 1598 Class G etainer, or C	6.276 50 5 1.02 15.8 25 50 Class G T plug Plug 4 6.366 45 5 1.02 15.8 20		6.184 9637 179 36.66 15.8 8653 9637 Class G	6.276 3152 24 5.11 15.8 3027 3152 Class G	6.276 1554 147 30.1 15.8 772 1554 Class G	6.276 47 5 1.02 15.8 22 47 Class G